

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,955,857 B2
DATED : October 18, 2005
INVENTOR(S) : Yukiko Kubota, Dieter Weller and Mei-Ling Wu

Page 1 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawing sheets 1 of 2 and 2 of 2 should be replaced with attached.

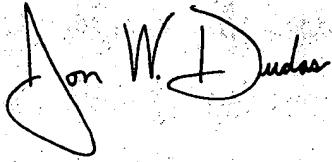
Column 4,

Line 44, after "magnetic", insert -- recording --.

Line 47, change "palladium" to -- platinum --.

Signed and Sealed this

Fourteenth Day of February, 2006

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large, looped initial "J" and a distinct "D".

JON W. DUDAS
Director of the United States Patent and Trademark Office

(12) **United States Patent**
Kubota et al.

(10) Patent No.: **US 6,955,857 B2**
(45) Date of Patent: **Oct. 18, 2005**

(54) **EXCHANGE DECOUPLED COBALT/NOBLE METAL PERPENDICULAR RECORDING MEDIA**

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Dieter Weller, Gibsonia, PA (US);
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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 98 days.

(21) Appl. No.: **10/032,721**

(22) Filed: **Dec. 27, 2001**

(65) **Prior Publication Data**

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Related U.S. Application Data

(60) Provisional application No. 60/258,790, filed on Dec. 29, 2000.

(51) Int. Cl.⁷ **G11B 5/673**

(52) U.S. Cl. **428/694 TS; 428/694 TM**

(58) Field of Search **428/694 TS, 694 TM, 428/611, 669, 670, 678, 215, 336**

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(57) **ABSTRACT**

A magnetic recording medium of the perpendicular type, for a disc drive. The magnetic recording material includes a Cobalt alloy layer interspersed with a noble metal layer. The initial graded material is paramagnetic to increase to the magnetic properties of perpendicular recording media into increase the signal to noise ratio. The final recording layer has 8-20 alternating multilayer of the Cobalt alloy and a noble metal.

26 Claims, 2 Drawing Sheets

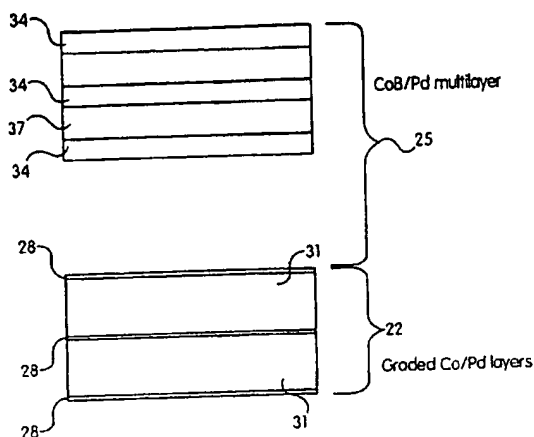


FIG. 1

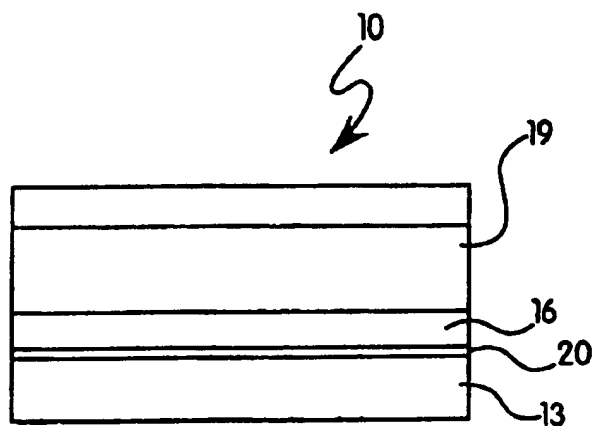
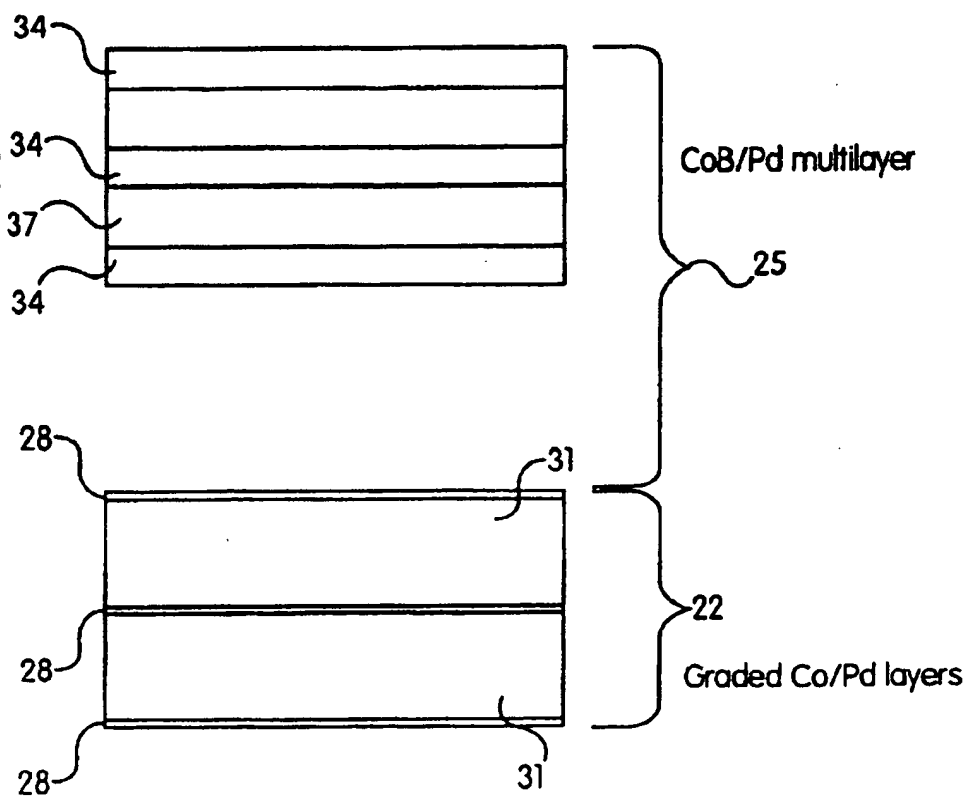


FIG. 2



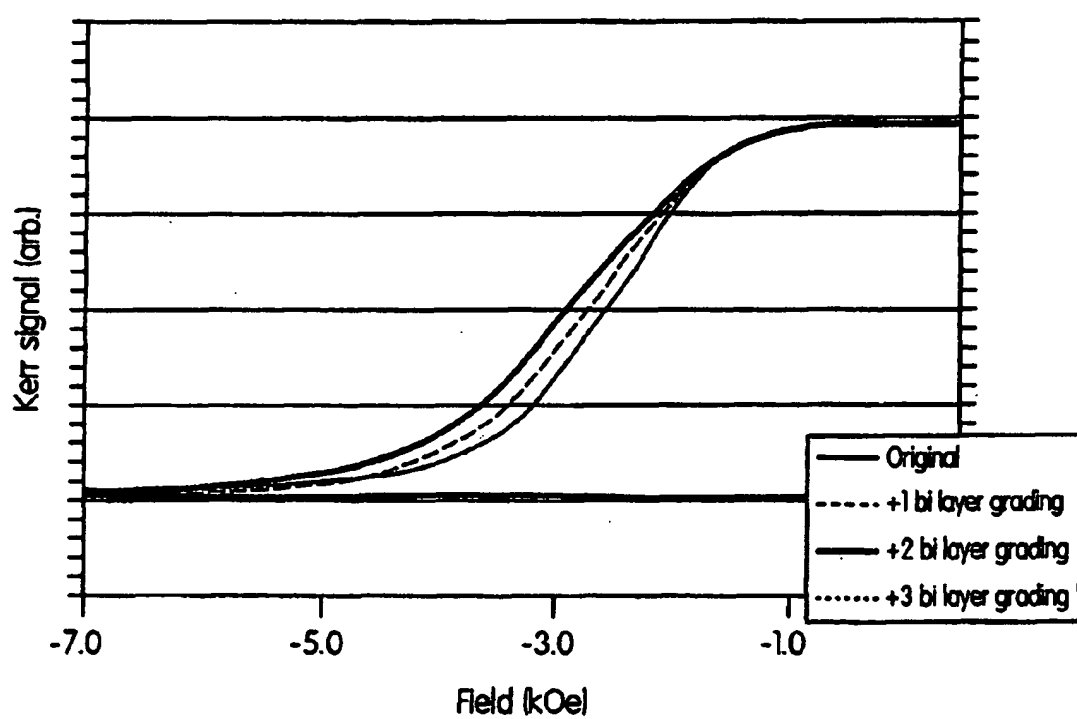


FIG. 3